

**ABSTRACT OF DISCLOSURE**

A system for manufacturing a membrane electrode assembly for a fuel cell according to an embodiment of the present invention includes a catalyst solution preheating device, an carrying gas preheater, a cathode catalyst solution spray nozzle, and an anode catalyst solution spray nozzle. The catalyst solution preheating device preheats a cathode catalyst solution and an anode catalyst solution. The carrying gas preheater preheats an carrying gas. The cathode catalyst solution spray nozzle is supplied with the cathode catalyst solution preheated by the catalyst solution preheating device and the carrying gas preheated by the carrying gas preheater, and is configured to spray the supplied cathode catalyst solution. The anode catalyst solution spray nozzle is supplied with the anode catalyst solution preheated by the catalyst solution preheating device and the carrying gas preheated by the carrying gas preheater, and is configured to spray the supplied anode catalyst solution.